



MERL-1563

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Mehta et al.

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: Art Unit: 2681
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: Examiner: Unknown
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Serial No: 10/828,626

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: Examiner: Unknown
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Filed: April 21, 2004

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Title: SPACE TIME TRANSMIT DIVERSITY WITH SUBGROUP RATE CONTROL
AND SUBGROUP ANTENNA SELECTION IN MIMO COMMUNICATIONS
SYSTEMS

I hereby certify that this correspondence is being
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Clifton D. Mueller

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Clifton D. Mueller

* * *

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the
following documents (copies enclosed) listed on the attached copy
of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

X 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

 1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- (1) A Final Action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

AND is accompanied by either:
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the Certification under 37 CFR
1.97(e) as set out below; OR

the fee of \$240.00 under 37 CFR
1.17(p).

1.97(d) This Information Disclosure Statement is filed
after the mailing date of either:

- (1) a Final action under 37 CFR 1.113; OR
- (2) A Notice of Allowance under 37 CFR 1.311;

BUT before payment of the Issue Fee, AND is accompanied
by:

- (1) the Certification under 37 CFR 1.97(e) as
set out below; AND
- (2) Petition is hereby made under 37 CFR
1.97(d) for consideration of this
Information Disclosure Statement; AND,
- (3) Authorization to charge the petition fee
of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed
under 37 CFR 1.97(c) or 1.97(d), the undersigned Attorney hereby

certifies that:

- each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;
- or**
- no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

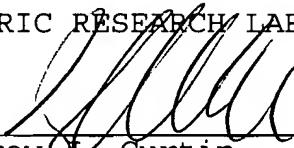
MERL-1563

Authorization is hereby given to charge the indicated fee(s) to Deposit Account No. 50-0749.

Please charge any additional fee due for this paper to Deposit Account No. 50-0749.

Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

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Enclosures

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Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1563	Serial Number: 10/828,626
INFORMATION DISCLOSURE CITATION			
O I P E <small>use several sheets if necessary</small> AUG 08 2005 U.S. PATENT & TRADEMARK OFFICE			
Applicant: Mehta et al.			
Filing date: April 21, 2004		Group art area: 2681	

U.S. PATENT DOCUMENTS

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

FOREIGN PATENT DOCUMENTS

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO
	WO2004/014013A1	Feb. 12, 2004	PCT	H04L	1/06	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1.	Katz et al., "Combining space-time block coding with diversity antenna selection for improved downlink performance," Proceedings of IEEE 54 th Vehicular Technology Conference, vol. 1, pp. 178-182, Oct. 7, 2001.
2.	
3.	
4.	

Examiner: _____ Date Considered: _____

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.